

Muhammad Amas

Software engineer with **2+** years of experience building performant, user-focused web applications and scalable cloud-integrated systems. I specialize in modern JavaScript frameworks like **React.js** and tools like **Redux**, **Ant Design** and **Tailwind CSS**.

WORK EXPERIENCE

Software Engineer Oct 2023 – Present
Cloudnosys (B2B Cloud Security SaaS Platform) Karachi, Pakistan (Hybrid)

- Optimized front-end, achieving a **50%** improvement in performance.
- Designed and implemented cloud infrastructure visualization graphs using libraries such as **React Flow** and **Cytoscape.js**.
- Visualized **attack paths, blast radius and security misconfigurations** within the organizational infrastructure to enhance security posture and risk assessment.
- Applied Ant Design dark theme using 'less' styles for the platform.
- Upgraded over **50 microservices** to **Node.js v20 from Node.js v12**.

Software Engineer Intern Jun 2023 – Oct 2023
Cloudnosys (B2B Cloud Security SaaS Platform) Karachi, Pakistan (Hybrid)

- Resolved **20+** bugs in a month, demonstrating strong problem-solving skills.
- Enhanced "Cloudxray" logging with Winston & Morgan logger.

Web Intern Feb 2023 – May 2023
VentureDive (Software Development Company) Karachi, Pakistan (Hybrid)

- Developed responsive web applications using **React.js, Node.js and MySQL**.
- Mastered Git and structured files effectively for scalable projects.
- Drafted technical documentation for the custom library in the Company Management System.

MERN Stack Intern Jul 2022 – Aug 2022
Tezeract (Innovative AI Solution Provider) Karachi, Pakistan

- Worked with the MERN department on web applications based on React.js.
- Converted designs to websites using **HTML, CSS, JavaScript, React.js and Firebase technologies**.

PERSONAL PROJECTS

InsightEdu

- Developed and maintained an **EdTech platform** integrating **AI-powered** attentiveness monitoring, online classrooms and advanced learning analytics.
- Improved learning experiences by enabling **real-time student engagement tracking and personalized insights for educators**.

Queuing Model [Click Here](#)

- Built a web-based **queuing model simulation tool** using **React.js** and **Material-UI**, allowing users to visualize and analyze queue behaviours.

CONTACT

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EDUCATION

Bachelor of Science in Computer Science
University of Karachi
2021 - 2024

CERTIFICATIONS

Google Cloud Digital Leader
[Click Here](#)
Google Cloud Platform

Back End Development and APIs [Click Here](#)
FreeCodeCamp

McKinsey Forward Advanced Level [Click Here](#)
McKinsey

TECHNICAL SKILLS

Frameworks and Libraries:
React.js • Node.js • Express.js
Redux • Chakra UI • Material UI
Ant Design • Tailwind CSS
React Flow

Tech Languages:
JavaScript • TypeScript
Python • SQL

Databases:
MongoDB • Firestore
Microsoft SQL Server
PostgreSQL

Additional Tools:
Google Cloud Platform
Amazon Web Services
Redis • Firebase • Jira